

Title (en)
METHOD AND SYSTEM FOR MULTI-MODE COVERAGE FOR AN AUTONOMOUS ROBOT

Title (de)
VERFAHREN UND SYSTEM ZUR MULTIMODALEN BEDECKUNG FÜR EINEN AUTONOMEN ROBOTER

Title (fr)
PROCEDE ET SYSTEME DE COUVERTURE MULTIMODE POUR UN ROBOT AUTONOME

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Application
EP 02734767 A 20020612

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Abstract (en)
[origin: WO02101477A2] A control system for a mobile robot (10) is provided to effectively cover a given area by operating in a plurality of modes, including an obstacle following mode (51) and a random bounce mode (49). In other embodiments, spot coverage, such as spiraling (45), or other modes are also used to increase effectiveness. In addition, a behavior based architecture is used to implement the control system, and various escape behaviors are used to ensure full coverage.

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G05D 1/00

IPC 8 full level
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G05D 1/0242 (2024.01 - EP US)

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